

### From the INTERNATIONAL SEARCHING AUTHORITY

Commissioner for Patents
Box PCT

Washington, D.C. 20231

To: RUTAN & TUCKER, LLP 611 ANTON BLVD., 14TH FLOOR	PCT					
COSTA MESA, CA 92626	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION					
	(PCT Rule 44.1)					
	Date of Mailing (day/month/year) 19 DEC 2002					
Applicant's or agent's file reference 595.0033PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below					
International application No. PCT/US02/26276	International filing date (day/month/year)  15 August 2002 (15.08.2002)					
Applicant HONEYWELL INTERNATIONAL INC.	Vesponse due: 2/19/03					
The applicant is hereby notified that the international search report has been established and is transmitted herewith.  Filing of amendments and statement under Article 19:						
The applicant is entitled, if he so wishes, to amend the c	laims of the international application (see Rule 46): s normally two months from the date of transmittal of the					
international search report.						
Where? Directly to the International Bureau of WIP 1211 Geneva 20, Switzerland, Facsimile No						
For more detailed instructions, see the notes on the	accompanying sheet.					
2. The applicant is hereby notified that no international sea Article 17(2)(a) to that effect is transmitted herewith.						
3. With regard to the protest against payment of (an) add	itional fee(s) under Rule 40.2, the applicant is notified that:					
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.  no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.						
	ppineant with oc notified as soon as a decision is made.					
4. Reminders  Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.						
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.						
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.						
See the Annex to Form PCT/IB/301 and, for details about the Guide, Volume II, National Chapters and the WIPO Internet sit	the applicable time limits, Office by Office, see the PCT Applicant's e.					
Name and mailing address of the ISA/US	Ayshonized office					

Telephone No. (703) 308\_0661



# **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

	cant's or agent's file reference 033PCT	FOR FURTHER ACTION	Report (Fo	cation of Transmittal of International Search orm PCT/ISA/220) as well as, where applicable, ow.		
	ational application No. JS02/26276	International filing date (day/mon. 15 August 2002 (15.08.2002)	th/year)	(Earliest) Priority Date (day/month/year)		
Applicant HONEYWELL INTERNATIONAL INC.						
accore	ding to Article 18. A copy is being international search report consists	g transmitted to the International I	Bureau.	uthority and is transmitted to the applicant in this report.		
Basis of the Report     a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.						
the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).  b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:						
	contained in the international	al application in written form.				
	filed together with the inter	national application in computer rea	dable form			
	furnished subsequently to the	nis Authority in written form.	•			
	furnished subsequently to the	nis Authority in computer readable t	form.			
the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.						
	the statement that the information been furnished.	nation recorded in computer readab	le form is i	identical to the written sequence listing has		
2.	Certain claims were found	l unsearchable (See Box I).				
3.	Unity of invention is lacking	ng (See Box II).				
4.	With regard to the title,					
	the text is approved as subm	nitted by the applicant.				
	the text has been established	d by this Authority to read as follow	/s:	•		
5.	With regard to the abstract,					
	the text is approved as subm	nitted by the applicant.				
the text is approved as submitted by the applicant.  the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may within one month from the date of mailing of this international search report, submit comments to this Authority.						
6.	The figure of the drawings to be pu	blished with the abstract is Figure 1	No. <u>4B</u>			
1	as suggested by the applican	nt.		None of the figures		
	because the applicant failed	to suggest a figure.		·		
-	because this figure better cl	naracterizes the invention.				



International application No.

PCT/US02/26276

#### Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

The abstract is too long (PCT Rule 8.1(b)). The abstract must be less than 150 words, or 200 words when no figure is to be published.

#### **NEW ABSTRACT**

Low dielectric materials are described herein that comprise a plurality of pores or nanopores in addition to the ultrananopores. It is further contemplated that the low dielectric materials described herein will have a dielectric constant of less than about 3. The dielectric materials are formed from polymer compositions, wherein the polymer compositions comprise a plurality of monomers and wherein at least one monomer comprises a radical precursor bonded to a structural precursor. Further, methods of forming dielectric materials from polymer compositions are presented. The figure shows the chemical structire for a methyl/t-butyl Low Organic Content/Low Organic Siloxane Polymer.



International application No.

PCT/US02/26276

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : H01B 3/02, 3/30, 3/46; B32B 3/26; C08G 65/00, 77/04							
US CL : 252/570,573; 428/304.4,312.6,447; 521/154,180; 525/390,416,474,534							
According to International Patent Classification (IPC) or to both national classification and IPC							
	DS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols) U.S.: 252/570,573; 428/304.4,312.6,447; 521/154,180; 525/390,416,474,534							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet							
	UMENTS CONSIDERED TO BE RELEVANT						
Category *	Citation of document, with indication, where a		Relevant to claim No.				
X,P	US 6,472,076 B1 (HACKER) 29 October 2002 (29. column 11, lines 1-67, column 12, lines 37-67, column	1, 3-6, 7, 9, 11, 15-19, 28, 32, 33, 35-38, 40					
х	US 6,107,357 A (HAWKER et al) 22 August 2000 (column 5, line 33, column 5, line 53 through column 10, lines 6-63, column 11, lines 27-60.	1-9, 11-21, 23, 24, 26- 40					
x	US 6,143,360 A (ZHONG) 07 November 2000 (07. column 6, lines 39-67.	1-7, 9, 11-21, 23, 24,					
x	US 6.156,812 A (LAU et al) 05 December 2000 (05 column 7, line 53 through column 8, line 56, column	26-38, 40 1-3, 14, 16-21, 23, 24,26-32, 38					
	51.						
Α	US 6,177,143 B1 (TREADWELL et al) 23 January 5	2001 (23.01.2001), column 2, lines 19-	1-41				
A	US 6,235,353 B1 (DRAGE et al) 22 May 2001 (22.0	1-41					
		1					
Further	documents are listed in the continuation of Box C.	See patent family annex.					
• S <sub>I</sub>	pecial categories of cited documents:	"T" later document published after the inte					
	date and not in conflict with the application but cited to understand the cument defining the general state of the art which is not considered to be principle or theory underlying the invention particular relevance						
"E" earlier app	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered when the document is taken alone	claimed invention cannot be red to involve an inventive step				
	which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"Y" document of particular relevance; the considered to involve an inventive step					
"O" document referring to an oral disclosure, use, exhibition or other means		combined with one or more other such being obvious to a person skilled in the					
	published prior to the international filing date but later than the ate claimed	"&" document member of the same patent family					
Date of the actual completion of the international search  Date of mailing of the international search report							
20 November 2002 (20.11.2002) 1.9 DEC 2002							
Name and mailing address of the ISA/US  Appropriate of the ISA/US  Appropriate of the ISA/US							
Commissioner of Patents and Trademarks Box PCT  Jeffrey B. Robertson							
Washington, D.C. 20231 Facsimile No. (703)305-3230 Telephone No. (703) 308-0661							
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## INTERNATIONAL SEARCH REPORT

### Continuation of B. FIELDS SEARCHED Item 3:

EAST search, search terms: ultrananopore, ultrananoporous, dielectric material, dielectric costant, radical precursor, structural precursor, adamantane, pore, nanometer, polysiloxane, organopolysiloxane, polyorganosiloxane, polydiorganosiloxane, diorganopolysiloxane, silicone, siloxane, hydridosiloxane, organohydridosiloxane, silsesquioxane, polysilsesquioxane.